NKMAXBio we support you, we believe in your research Human Glycine N-methyltransferase/GNMT antibody Catalog Number: ATGA0370

PRODUCT INFORMATION

Catalog number ATGA0370

Clone No. AT5D1

Product type Monoclonal Antibody

UnitProt No. Q14749

NCBI Accession No. NP_061833

Alternative Names

Glycine N-methyltransferase, GNMT, Glycine N-methyltransferase, Glycine N-methyltransferase EC 2.1.1.20, Glycine N methyltransferase

PRODUCT SPECIFICATION

Antibody Host Mouse

Reacts With Human

Concentration 1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human GNMT (1-295aa) purified from E. coli.

Isotype

lgG2a kappa

Purification Note By protein-A affinity chromatography

Application

ELISA,WB,ICC/IF

Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

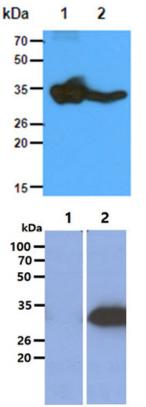
Ras-related protein Glycine N-methyltransferase (GNMT) catalyzes the methylation of glycine by using Sadenosylmethionine (AdoMet) to form N-methylglycine (sarcosine) with the concomitant production of Sadenosylhomocysteine (AdoHcy). Possible crucial role in the regulation of tissue concentration of AdoMet and of metabolism of methionine.

General References

Velichkova., et al. (2006) J Phys Chem B. 109: 8216-8219. Huang YC., et al. (2008) J Gastroenterol Hepatol. 23: 1384.

DATA

Western blot analysis (WB)



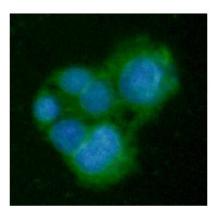
The recombinant protein (50ng) and tissue lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GNMT antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant human GNMT protein Lane 2.: Mouse Liver tissue lysate

The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human GNMT antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: GNMT Transfected 293T cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



NKMAXBiO we support you, we believe in your research Human Glycine N-methyltransferase/GNMT antibody Catalog Number: ATGA0370



ICC/IF analysis of GNMT in HepG2 cells. The cell was stained with ATGA0370 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).